

Application Serial No. 10/693,216
Reply to office action of June 21, 2005

PATENT
Docket: CU-3413

REMARKS/ARGUMENTS

Reconsideration is respectfully requested.

Claims 1-15 are pending before the present amendment. Claims 16-20 have been withdrawn in response to the examiner's earlier restriction requirement. The applicants reserve the right to present the withdrawn claims in a divisional application.

By the present amendment, claim 1 has been amended. No new matter has been added.

In the office action, claims 1 and 9-12 stand rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 6,407,929 (Hale).

As to the claims 1, the presently claimed invention is directed to, inter alia, providing a substrate including therein a built-in capacitor integrated to the layered structure of the substrate.

In order to achieve this, the presently claimed invention forms the built-in capacitor on a layer of organic polysilane, a heat resistant material, such that formation of the capacitor, which requires high temperature, can be conducted thereon without damaging the underlying layer. Further, because organic polysilane has a thermal expansion coefficient similar to that of a semiconductor device, it becomes possible to reduce the stress caused between the substrate and the semiconductor chip mounted on the substrate. Claim 1 has been amended to recite this feature of the present invention.

Hale, on the other hand, merely teaches incorporation of pre-fabricated electronic component such as capacitor. Thus, no heat is applied to the underlying layer of the

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capacitor, and Hale is silent about the use of organic polysilane as the under layer of built-in capacitor.

As to claims 9-12, the applicants respectfully submit that these claims are allowable at least since they depend from claim 1 which is considered to be condition for allowance for the reasons above.

In the office action, claim 13 stands rejected 35 U.S.C. § 103(a) as being unpatentable over Hale.

As to claim 13, Hale does not teach or suggest all limitations claimed in claims 1/9/10/11/13, and it would not be possible for a person skilled in the art to derive the subject matter of these claims from Hale. Further, claim 13 is allowable at least since it depends from claim 1 which is considered to be condition for allowance for the reasons above.

In the office action, **claims 2-18 and 14** are indicated as being allowable if they are rewritten to include all limitations of the base claims and any intervening claims.

As to claim 15, the applicants respectfully acknowledge the office action's correct indication of **claims 1-15 being pending** as they were elected in our reply to the restriction requirement filed April 18, 2005. This means that claim 15 should also have been examined in the present office action; however, the office action is silent about claim 15. The applicants believe that claim 15 is considered to be allowable (along with the allowable claims 2-8 and 14 as indicated in the office action). The undersigned attorney has telephoned the examiner on September 14, 2005 and left a voice mail requesting the correct status of claim 15, which is presumed by the applicants as being allowable.

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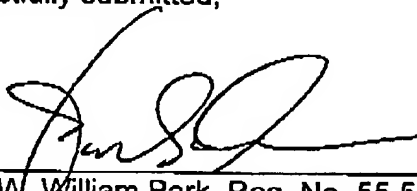
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For the reasons set forth above, the applicants respectfully submit that claims 1-15 pending in this application either have been indicated as being allowable or are in condition for allowance over the cited reference. Accordingly, the applicants respectfully request reconsideration and withdrawal of the outstanding rejections and earnestly solicit a Notice of Allowance in the next action. When issuance of a Notice of Allowance is proper in the next action, the examiner is authorized to cancel the withdrawn claims, for which the applicant reserves the right to file a divisional application.

This amendment is considered to be responsive to all points raised in the office action. Should the Examiner have any remaining questions or concerns, the Examiner is encouraged to contact the undersigned attorney by telephone to expeditiously resolve such concerns.

Respectfully submitted,

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